

Dynamic Smoothing Adjust

ENTER → Initialize Variables ¹⁰² ADJ = 1
K = 128

Sample Sensor Signal ¹⁰⁴ CB Combustible
Gas example

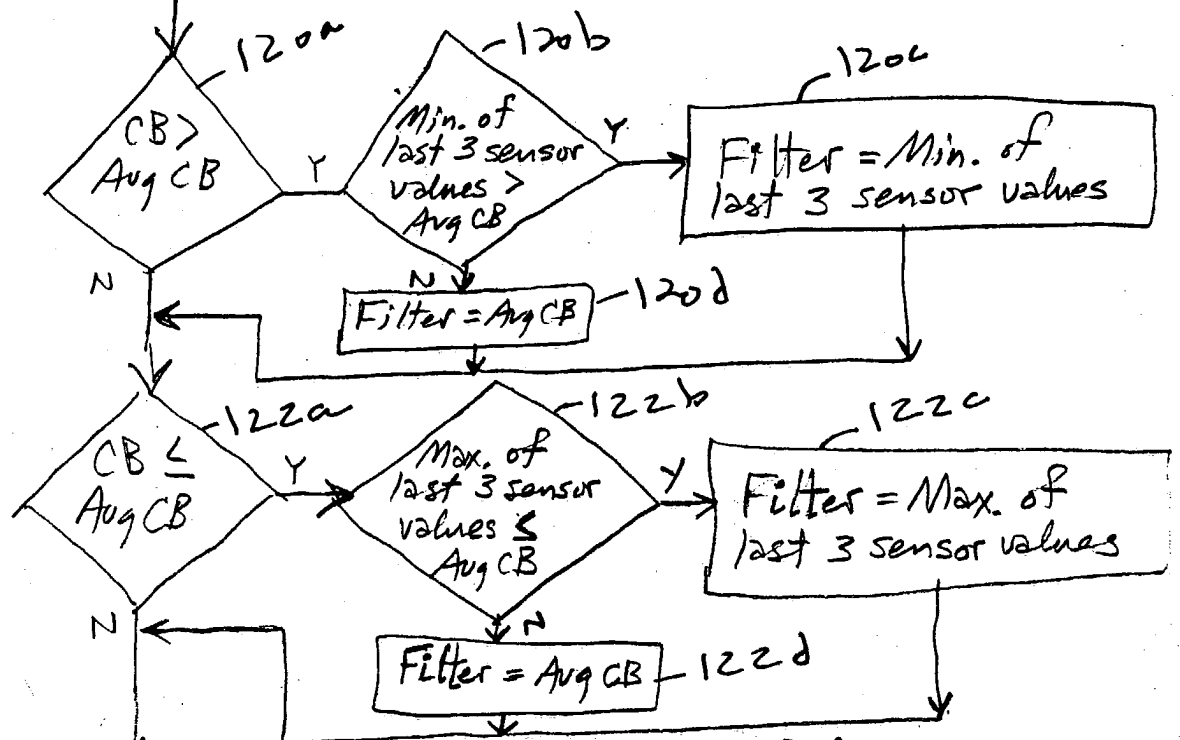
$$CB = CB / ((ADJ * 0.5 + 1) / 1.5) \quad 106$$

Min 3 Noise = minimum of last 3 sensor values = L0 ¹⁰⁸

Max 3 Noise = maximum of last 3 sensor values = H1 ¹¹⁰

$$Mid 3 Noise = (H1 - L0) / 2 \quad 112$$

$$Avg Noise = (Avg Noise * 127 + Mid 3 Noise) / 128 \quad 114$$



FROM FIG. 2A

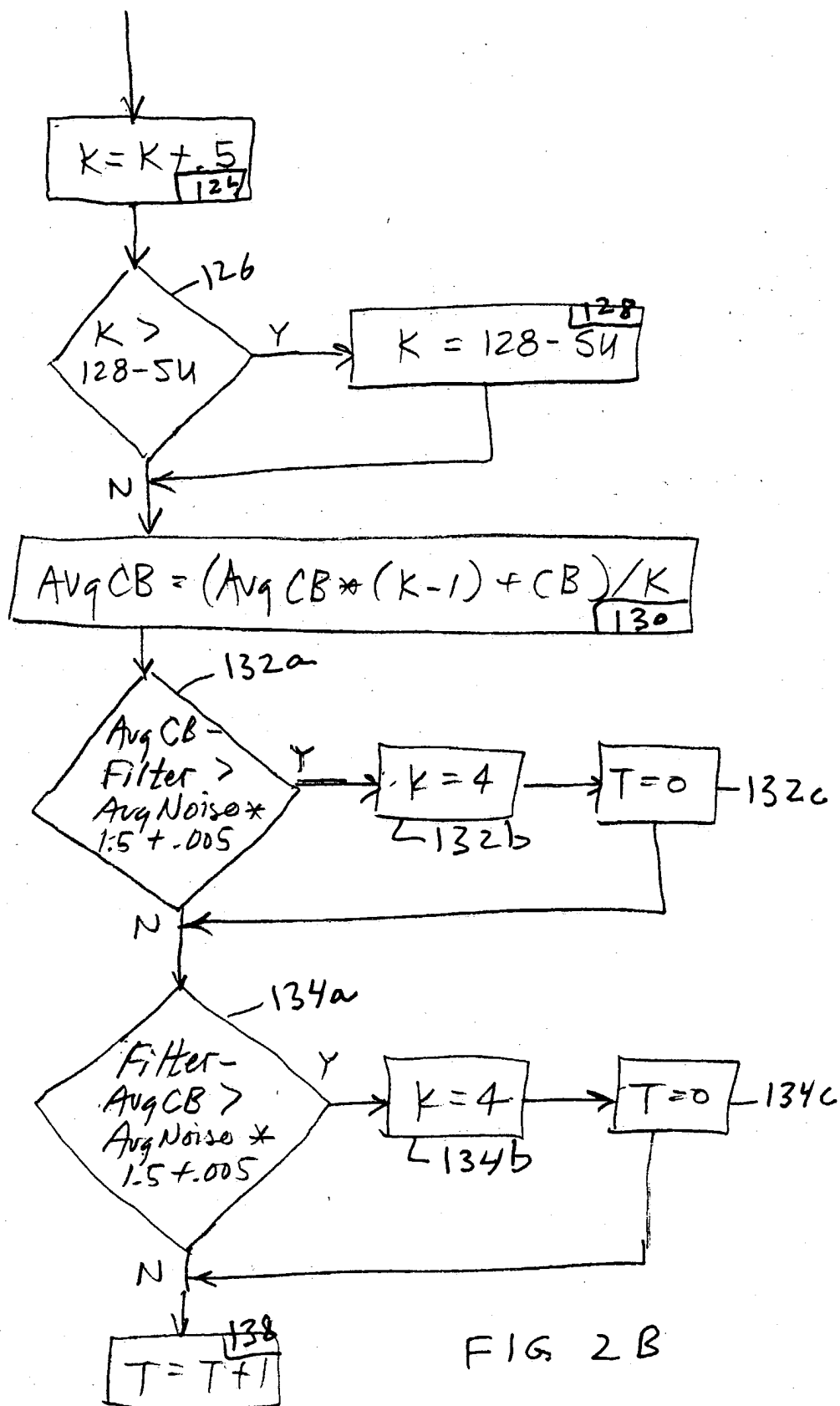


FIG. 2B

TO FIG. 2C

FROM FIG. 2B

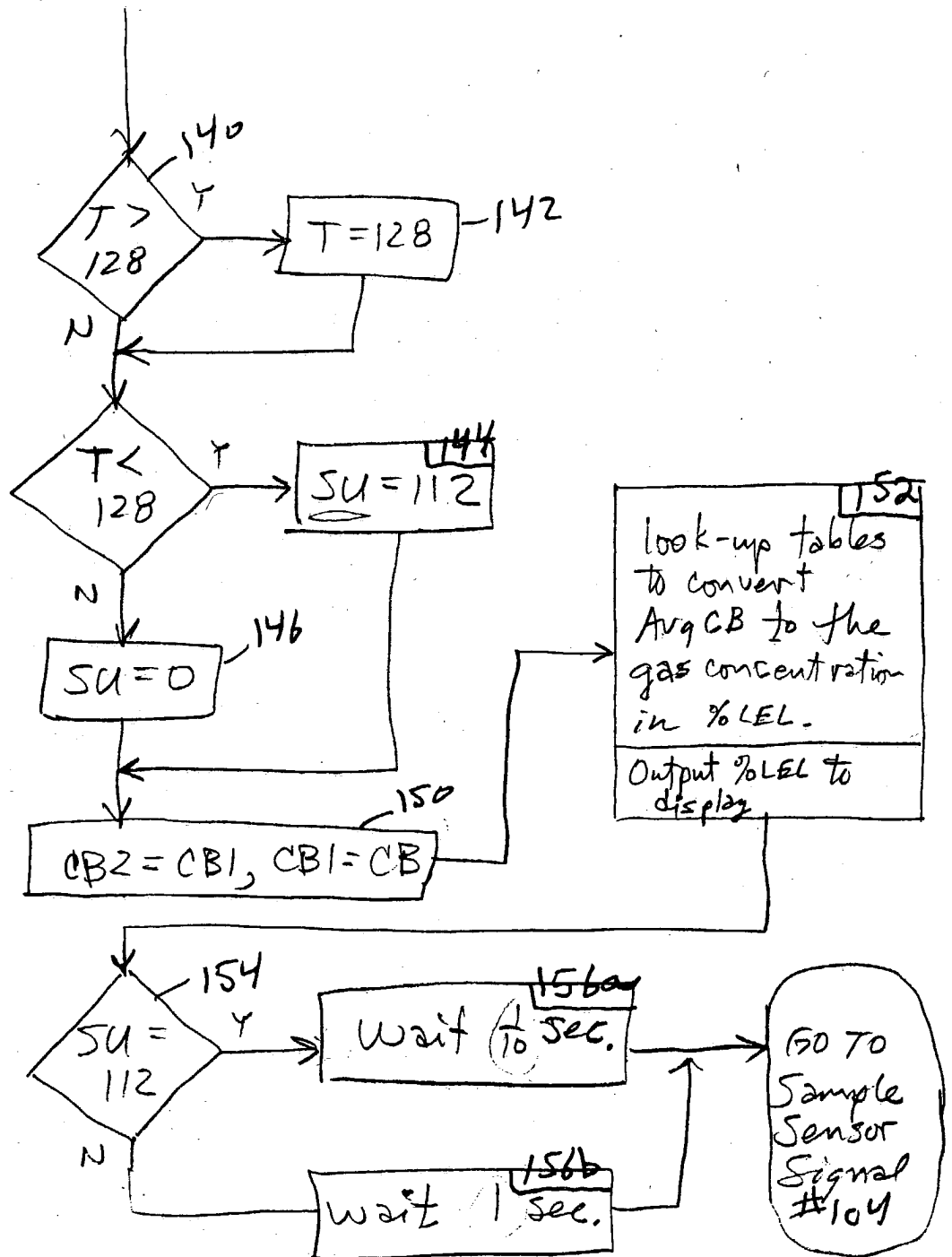


FIG. 2C

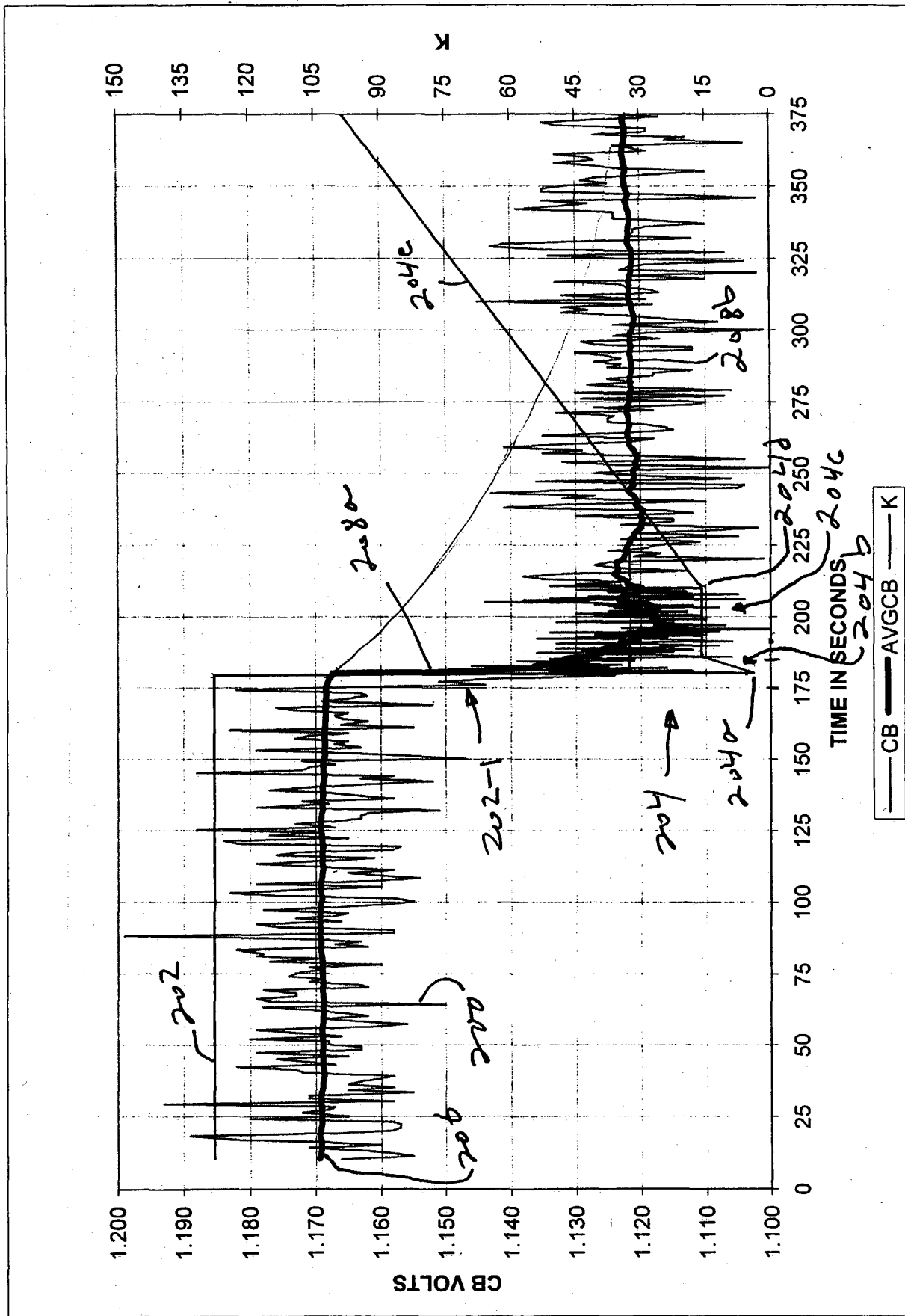


FIG 3